

heterologous regulatory sequence that controls gene expression.

D4
73. (Thrice Amended) A method for producing the polypeptide encoded by the nucleic acid molecule of claim 167, comprising:

- (a) culturing a host cell comprising the nucleic acid molecule under conditions suitable to produce the polypeptide; and
- (b) recovering the polypeptide from the cell culture.

D5
74. (Once Amended) A composition comprising the polynucleotide of 167 and a pharmaceutically acceptable carrier.

D6
121. (Once Amended) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising a first amino acid sequence that is identical, except for at least one conservative amino acid substitution, to a second amino acid sequence selected from the group consisting of:

- (a) the amino acid sequence of amino acids 1 to 133 of SEQ ID NO:2;
- (b) the amino acid sequence of amino acids 2-133 of SEQ ID NO:2;
- (c) the amino acid sequence of the full-length polypeptide encoded by the cDNA clone contained in ATCC Deposit No. 209053; and
- (d) the amino acid sequence of the full-length polypeptide, minus the N-terminal methionine residue, encoded by the cDNA clone contained in ATCC Deposit No. 209053.

D7
136. (Once Amended) A method for producing the polypeptide encoded by the nucleic acid molecule of claim 121, comprising:

- (a) culturing a host cell comprising the nucleic acid molecule under conditions suitable to produce the polypeptide; and
- (b) recovering the polypeptide from the cell culture.

D8
145. (Once Amended) A method for producing the polypeptide encoded by the nucleic acid molecule of claim 127, comprising:

- (a) culturing a host cell comprising the nucleic acid molecule under conditions suitable to produce the polypeptide; and

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(b) recovering the polypeptide from the cell culture.

Please add new claims 158-177, as follows:

158. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 1 to 20 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

159 (New) The isolated nucleic acid molecule of claim 158, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 1 to 66 of SEQ ID NO:2.

160. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 47 to 108 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

161 (New) The isolated nucleic acid molecule of claim 160, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 47 to 128 of SEQ ID NO:2.

162. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 41 to 60 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

163 (New) The isolated nucleic acid molecule of claim 162, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 40 to 108 of SEQ ID NO:2.

164. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 118 to 124 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

165 (New) The isolated nucleic acid molecule of claim 164, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 114 to 128 of SEQ ID NO:2.

166 (New) The isolated nucleic acid molecule of claim 165, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 101 to 133 of SEQ ID NO:2.

167. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 88 to 108 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

D9
cont

168 (New) The isolated nucleic acid molecule of claim 167, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 88 to 128 of SEQ ID NO:2.

169. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 65 to 70 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

170. (New) The isolated nucleic acid molecule of claim 169, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 65 to 108 of SEQ ID NO:2.

171. (New) The isolated nucleic acid molecule of claim 170, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 65 to 128 of SEQ ID NO:2.

172. (New) The isolated nucleic acid molecule of claim 171, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 5 to 108 of SEQ ID NO:2.

173. (New) The isolated nucleic acid molecule of claim 172, wherein said polynucleotide sequence encodes a polypeptide comprising the amino acid sequence of amino acid residues 5 to 128 of SEQ ID NO:2.

174. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 21 to 40 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

D9
Cont.

175. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 61 to 80 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

176. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 81 to 100 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.

D9
cont

177. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence encoding a polypeptide comprising the amino acid sequence of amino acid residues 108 to 120 of SEQ ID NO:2, wherein said polynucleotide sequence is operatively associated with transcription and translation regulatory elements to direct transcription and translation of a polypeptide comprising said amino acid sequence.
